Title (en)

METHOD FOR CONTROLLING THE SUPPLY OF FUEL TO A COMBUSTION CHAMBER OF A TURBINE ENGINE, FUEL SUPPLY SYSTEM, AND TURBINE ENGINE

Title (de)

VERFAHREN ZUR STEUERUNG DER BRENNSTOFFZUFUHR ZU EINER BRENNKAMMER EINER TURBINENMASCHINE, KRAFTSTOFFVERSORGUNGSSYSTEM UND TURBINENMOTOR

Title (fr)

PROCÉDÉ DE COMMANDE DE L'ALIMENTATION EN CARBURANT D'UNE CHAMBRE DE COMBUSTION D'UNE TURBOMACHINE, SYSTÈME D'ALIMENTATION EN CARBURANT ET TURBOMACHINE

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Application

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Abstract (en)

[origin: WO2019129976A1] The invention relates to a method for controlling the fuel injection of a turbine engine using a fuel supply circuit (100). The supply circuit (100) comprises a pilot injection line (141) and a main injection line (142). During a transition of the supply distribution between the pilot injection line (141) and the main supply line (142), the method comprises the following steps: a) determining at least a minimum value to be maintained for a pressure value; b) determining at least one hydraulic quantity of the supply circuit; c) based on the determined hydraulic quantity of the supply circuit, calculating a calculated fuel supply distribution value corresponding to the minimum value to be maintained; and switching the fuel supply distribution to the calculated fuel distribution value.

IPC 8 full level

F02C 9/34 (2006.01); **F02C 7/228** (2006.01)

CPC (source: EP US)

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Citation (search report)

See references of WO 2019129976A1

Designated contracting state (EPC)

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WO 2019129976 A1 20190704; CA 3086596 A1 20190704; CN 111587316 A 20200825; CN 111587316 B 20230217; EP 3732359 A1 20201104; EP 3732359 B1 20220216; FR 3076320 A1 20190705; FR 3076320 B1 20200207; RU 2020124808 A 20220128; RU 2020124808 A3 20220504; US 11466625 B2 20221011; US 2021062731 A1 20210304

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